

Simplify the expression:

$$5 \times (4 + 3) - 12 \div 2$$

Lesson 1-4 Order of Operations

Simplify the expression:

$$48 - 3 \times 5 + 12$$

Lesson 1-4 Order of Operations

Round the following number to the nearest tenth:

58.384

Lesson 1-5 Rounding Decimals

Round the following number to the nearest hundredth:

315.763

Lesson 1-5 Rounding Decimals

Write the following numbers in words:

- a) 5,025,000,125
- b) 8,345,000

Lesson 1-1 Understanding Whole Numbers

Estimate by rounding to the nearest ten first:

$$134 + 56 + 12$$

Lesson 1-2 Estimating with Whole Numbers

Select the one that represents 38.231 in expanded form.

- a) $38 + 0.231$
- b) $30 + 8 + 0.02 + 0.003 + 0.0001$
- c) $30 + 8 + 0.2 + 0.03 + 0.001$

Lesson 1-5 Understanding Decimals

- a) Write 3.021 in word form
- a) Write one hundred fifty-two and two hundredths in standard form

Lesson 1-5 Understanding Decimals

Which property of multiplication does each example represent? Use the word bank to the right.

- | | |
|--------------------------------|-------------|
| a) $8 \times 5 = 5 \times 8$ | Associative |
| b) $1 + (2 + 3) = (1 + 2) + 3$ | Identity |
| c) $5 \times 1 = 5$ | Commutative |

Lesson 1-3 Properties of Numbers

Use mental math to solve. Share your mental strategy with your group:

- a) $4 \times 12 \times 5$
b) $13 + 45 + 17$

Lesson 1-3 Properties of Numbers

Estimate using compatible numbers:

$$258 \div 5$$

Lesson 1-2 Estimating with Whole Numbers

Estimate using compatible numbers:

$$364 \div 12$$

Lesson 1-2 Estimating with Whole Numbers

Compare using $<$, $>$ or $=$

a) 0.45 _____ 0.045

b) 15.12 _____ 15.120

c) 0.35 _____ 0.305

Lesson 1-6 Comparing Decimals

Find the Difference.

$$15.1 - 1.031$$

Lesson 1-7 Adding/Subtracting Decimals

Find the sum.

$$43.8 + 123.05$$

Lesson 1-7 Adding/Subtracting Decimals

Find the Difference

$$65 - 13.27$$

Lesson 1-7 Adding/Subtracting Decimals

Find the product.

$$3.51 \times 0.13$$

Lesson 1-8 Multiplying Decimals

Find the product.

$$23.1 \times 5.4$$

Lesson 1-8 Multiplying Decimals

Find the quotient.

$$53.22 \div 3$$

Lesson 1-9 Dividing Decimals

Find the Quotient.

$$0.84 \div 1.5$$

Lesson 1-9 Dividing Decimals

Answer Key

1. 29
2. 45
3. 58.3
4. 315.76
5. a) five billion, twenty-five million, one hundred twenty-five
b) eight million, three hundred forty-five thousand
6. $130 + 60 + 10 = 200$
7. C
8. a) $3.021 =$ three and twenty-one thousandths
b) 152.02
9. a) commutative
b) associative
c) identity
10. a) 240
b) 75
11. $250 \div 5 = 50$
12. $360 \div 12 = 30$
13.
a) $0.45 \underline{\hspace{0.5cm}} > \underline{\hspace{0.5cm}} 0.045$
b) $15.12 \underline{\hspace{0.5cm}} = \underline{\hspace{0.5cm}} 15.120$
c) $0.35 \underline{\hspace{0.5cm}} > \underline{\hspace{0.5cm}} 0.305$
14. 14.069
15. 166.85
16. 51.73
17. 0.4563
18. 127.74
19. 17.74
20. 0.56